

Question 1

Not yet answered

Marked out of 1.00

$$\int \frac{2}{\sqrt{1-x^2}} dx \text{ ამონიშნეთ სწორი პასუხი}$$

Select one:

- a. $2\arcsin x + c$
- b. $2\arctg x + c$
- c. $2\arccos x + c$
- d. $2\text{arcctg} x + c$

Question 2

Not yet answered

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$$\int 2e^x dx \text{ ამონიშნეთ სწორი პასუხი}$$

Select one:

- a. $-e^x + c$
- b. $2e^x + c$
- c. $e^{-x} + c$
- d. $e^x + c$

Question 3

Not yet answered

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$$\int \frac{3}{\cos^2 x} dx$$
 ამნიშნეთ სწორი პასუხი

Select one:

- a. $3\text{tg}x+c$
- b. $3\cos x+c$
- c. $3\sin x+c$
- d. $2\text{ctg}x+c$

Question 4

Not yet answered

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$$\int 7\cos x dx$$
 ამნიშნეთ სწორი პასუხი

Select one:

- a. $7\sin x + c$
- b. $7\text{ctg}x + c$
- c. $7\text{tg}x + c$
- d. $\cos 7x + c$

Question 5

Not yet answered

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$$\int \frac{10}{1+x^2} dx \text{ ამონებეთ სწორი პასუხი}$$

Select one:

- a. $10\arctgx + c$
- b. $10\arccosx + c$
- c. $10\arctgx + c$
- d. $10\arcsinx + c$

Question 6

Not yet answered

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$$\int \frac{4}{x} dx \text{ ამონებეთ სწორი პასუხი}$$

Select one:

- a. $\frac{4}{x^2} + c$
- b. $4\ln|x| + c$
- c. $-4x + c$
- d. $\frac{4}{x^3} + c$

Question 7

Not yet answered

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$\int(2x - 3) \sin x dx$ მონიშნეთ სწორი პასუხი

Select one:

- a. $-(2x - 3) \sin x + 2 \cos x + c$
- b. $(2x - 3) \sin x + 2 \cos x + c$
- c. $-(2x - 3) \cos x + 2 \sin x + c$
- d. $(2x - 3) \cos x - 2 \sin x + c$

Question 8

Not yet answered

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$\int(2x - 1) \cos x dx$ მონიშნეთ სწორი პასუხი

Select one:

- a. $-(2x - 1) \cos x - 2 \sin x + c$
- b. $-(2x - 1) \sin x - 2 \cos x + c$
- c. $(2x - 1) \sin x + 2 \cos x + c$
- d. $(2x - 1) \cos x + 2 \sin x + c$

Question 9

Not yet answered

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$$\int \frac{4x}{(x-1)(x+3)} dx \text{ ამონიშნეთ სწორი პასუხი}$$

Select one:

- a. $-\ln|x-1|+3\ln|x+3|+C$
- b. $2\ln|x-1|+3\ln|x+3|+C$
- c. $\ln|x-1|+2\ln|x+3|+C$
- d. $\ln|x-1|+3\ln|x+3|+C$

Question 10

Not yet answered

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$$\int \frac{3x+8}{x(x-4)} dx \text{ ამონიშნეთ სწორი პასუხი}$$

Select one:

- a. $5\ln|x|-2\ln|x-4|+C$
- b. $\ln|x|+2\ln|x-4|+C$
- c. $-\ln|x|-4\ln|x-4|+C$
- d. $-2\ln|x|+5\ln|x-4|+C$

Question **11**

Not yet answered

Marked out of 1.00

გამოთვალეთ $\int_0^{\sqrt{\pi}} x \cdot \cos x^2 dx$

Answer:

Question **12**

Not yet answered

Marked out of 1.00

გამოთვალეთ $\int_0^{\pi} x \cos x dx$

Answer:

